

CLAIMS

1.-Lighting or image display panel comprising a substrate (1) carrying:

- 5 - an electroluminescent organic layer partitioned into electroluminescent cells (21) and inserted between two electrode layers of which one is transparent and the other opaque, each cell corresponding to a region covering one electrode of each layer,
- 10 - a layer (3) of light extractors operating by reflection, each extractor (31) being made from transparent material and comprising a light entry interface (32) optically coupled to the electroluminescent layer via the said transparent
- 15 electrode layer, a light exit interface (33) directed towards the outside of the display panel, and side walls (34) forming reflecting optical interfaces for the light propagating within the extractor,
- 20 characterized in that the said side walls of each extractor form a closed reflecting surface and in that the electroluminescent layer region of each cell (21) is optically coupled to a plurality of extractors (31).

2.-Display panel according to Claim 1,

25 characterized in that the said plurality of extractors associated with the said cell comprises over a hundred extractors (31).

3.-Display panel according to either of Claims 1

30 and 2, characterized in that:

- the said transparent electrode layer is positioned above the said electroluminescent organic layer on the opposite side from the substrate,
- the said display panel comprises an encapsulation
- 35 layer positioned above the said transparent electrode layer,

- the said extraction layer forms part of the said encapsulation layer.

4.-Display panel according to Claim 3,
5 characterized in that the layer of extractors is applied directly onto the transparent electrode layer.

5.-Display panel according to any one of the preceding claims, characterized in that the opaque
10 electrode layer is reflecting.